

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

Source:

Date Processed by STIC:

10/535,414
PCT
5-27-05

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebs/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 10/535/414

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1. Wrapped Nucleics
Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .5; this will prevent "wrapping."

2. Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.

3. Misaligned Amino Numbering The numbering under each 5' amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

4. Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

5. Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>.<223> section that some may be missing.

6. PatentIn 2.0 "bug" A "bug" in PatentIn version 2.0 has caused the <220>.<223> section to be missing from amino acid sequence(s). Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>.<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>.<223> sections for Artificial or Unknown sequences.

7. Skipped Sequences (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO X (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS (Do not insert any subheadings under this heading)
(ii) SEQUENCE OF DESCRIPTION SEQ ID NO X (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES" response to include the skipped sequences.

8. Skipped Sequences (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
<210> sequence id number
<400> sequence id number
000

9. Use of n's or Xaa's (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>.<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10. Invalid <213> Response Per 1.823 of Sequence Rules, the only valid <213> responses are Unknown, Artificial Sequence, or scientific name (Genus/species). <220>.<223> section is required when <213> response is Unknown, or is Artificial Sequence.

11. Use of <220> Sequence(s) missing the <220> feature and associated numeric identifiers and responses.
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 0001/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

12. PatentIn 2.0 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13. Misuse of n/Xaa "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid.



PCT

RAW SEQUENCE LISTING

DATE: 05/27/2005

PATENT APPLICATION: US/10/535,414

TIME: 11:25:05

Input Set : A:\Q87920.ST25.txt

Output Set: N:\CRF4\05272005\J535414.raw

3 <110> APPLICANT: DiaGenic AS
 5 <120> TITLE OF INVENTION: Diagnostic Probe kits
 7 <130> FILE REFERENCE: Q87920
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/535,414
 C--> 10 <141> CURRENT FILING DATE: 2005-05-19
 12 <150> PRIOR APPLICATION NUMBER: GB 0227238.3
 13 <151> PRIOR FILING DATE: 2002-11-21
 15 <160> NUMBER OF SEQ ID NOS: 501
 17 <170> SOFTWARE: PatentIn version 3.0
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 405
 21 <212> TYPE: DNA
 22 <213> ORGANISM: Homo sapiens
 24 <220> FEATURE:
 25 <221> NAME/KEY: misc_feature
 26 <222> LOCATION: ()...()
 27 <223> OTHER INFORMATION: sequence 93
 30 <400> SEQUENCE: 1
 31 ggatcctgtg gccacagag ctgccccagc agacgctccg cccaccccg tgatggagcc 60
 33 ccgggggggac aatcgtgcct ggggaggagc aggggtacagc ccattccccc agccctggct 120
 35 gacctggcct agcagtttgg ccctgctggc cttagcaggg agacagggga gcaaagaacg 180
 37 ccaagccgga ggcccagaggc cagccggcct ctgagagcc agagcagcag ttgaatgtaa 240
 39 tgctgggggac aggcattgctg ccgccagtag ggccggggacc cggacagcca ggtgactacc 300
 41 agtcctgggg acacactcac cataaacaca tccccaggca ggacagatcg gggaaggggt 360
 43 gtgtaccagg ctatgatttc tcttgcatata aaatgtatta ttatt 405
 46 <210> SEQ ID NO: 2
 47 <211> LENGTH: 550
 48 <212> TYPE: DNA
 49 <213> ORGANISM: Homo sapiens
 51 <220> FEATURE:
 52 <221> NAME/KEY: misc_feature ?
 53 <222> LOCATION: ()...() ?
 54 <223> OTHER INFORMATION: sequence 108 - ?
 57 <400> SEQUENCE: 2
 58 ggctttgaca gagtgaaga cgatgacttg caaaatgtcg catctggaac gcaacataga 60
 W--> 60 haccatcatc aacaccttcc accaatactc tgtgaagctg gggcaccag acaccctgaa 120
 62 ccaggggggaa ttcaaagagc tgggtgcgaaa agatctgcaa aattttctca agaaggagaa 180
 64 taagaatgaa aaggatcatag aacacatcat ggaggacctg gacacaaatg cagacaagca 240
 66 gctgagcttc gaggagttca tcatgctgat ggcgaggcta acctgggcct cccacgagaa 300
 68 gatgcacgag ggtgacgagg gccctggcca ccaccataag ccaggcctcg gggagggcac 360
 70 ccctaagac cacagtggcc aagatcacag tggccacggc cacggccaca gtcattggtg 420
 72 ccacggccac agccactaat caggaggcca ggccaccctg cctttaccca accagggccc 480
 74 cggggcctgt tatgtcaaac tgtcttggtg gtggggctag gggctggggc caaataaagt 540

Does Not Comply
 Corrected Diskette Needed
 (pg. 1-5) 2

See item #
 9 on error
 Summary
 Sheet.

pls explain "N" locations

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/535,414

DATE: 05/27/2005

TIME: 11:25:05

Input Set : A:\Q87920.ST25.txt

Output Set: N:\CRF4\05272005\J535414.raw

76 ctcttttctcc 550

79 <210> SEQ ID NO: 3

80 <211> LENGTH: 423

81 <212> TYPE: DNA

82 <213> ORGANISM: Homo sapiens

84 <220> FEATURE:

85 <221> NAME/KEY: misc feature

86 <222> LOCATION: ()... ()

87 <223> OTHER INFORMATION: sequence 110

90 <400> SEQUENCE: 3

91 acgaagacag acatctgtgg aatgattcac atcctctcaa gttaggagga tggaggcctg 60

93 cttcattaag aagctggggg tagggtgggg gtggggagaa cacttaacaa catggggacc 120

95 agtcaggga atcccttat ttctgtttt catatgagga accctagagc agccagggtga 180

97 ggctctctag ttttaataaaa atcatggaaa gactcttaat gcagactctt ctttaagtgtt 240

99 aatagggtatt ttttcagctt attttggttg cagtttccaa tttttaaaaa tgttgaggta 300

101 atctttccca ctttcccaaa cctaattctt gtagatgcat tagtggtgaa ccaatgcttt 360

103 ctcatgtctc aattctttgt atatgcattc ttttcagatg tattaacaa acaaaaaccc 420

105 ttc 423

108 <210> SEQ ID NO: 4

109 <211> LENGTH: 286

110 <212> TYPE: DNA

111 <213> ORGANISM: Homo sapiens

113 <220> FEATURE:

114 <221> NAME/KEY: misc feature

115 <222> LOCATION: ()... ()

116 <223> OTHER INFORMATION: sequence 192

119 <400> SEQUENCE: 4

120 ccgtaaatag aatagaaaag ggagagtgtc ttcattgcaat gtggcaccct ggattgggtc 60

W--> 122 ~~tcnncaaa~~ aacaggacat tagtgggaaa attggaaatc tgaaaaaagt ctgaatttta 120

124 gtttaataac caatttcagt ctcttggttt tgacagatgt accatgggtga tgtaagatgt 180

126 tgaccttggg gtaggctggg tgaagggtat acaggaactc tttgtactat ctctgcaact 240

128 tctctgtaaa tctaglatca ttccaaaata aaagtttatt taattt 286

131 <210> SEQ ID NO: 5

132 <211> LENGTH: 545

133 <212> TYPE: DNA

134 <213> ORGANISM: Homo sapiens

136 <220> FEATURE:

137 <221> NAME/KEY: misc feature

138 <222> LOCATION: ()... ()

139 <223> OTHER INFORMATION: sequence 250

142 <400> SEQUENCE: 5

143 gtggaagtga catcgtcttt aaaccctgcg tggcaatccc tgacgcaccg ccgtgatgcc 60

145 caggaagac agggcgacct ggaagtccaa ctacttcctt aagatcatcc aactattgga 120

147 tgattatccg aaatgtttca ttgtgggagc agacaatgtg ggctccaagc agatgcagca 180

149 gatccgcatg tcccttcgcy ggaaggctgt ggtgctgatg ggcaagaaca ccatgatgcy 240

151 caaggccatc cgagggcacc tggaaaacaa cccagctctg gagaaactgc tgcctcatat 300

153 ccgggggaat gtgggctttg tgttcaccaa ggaggacctc actgagatca gggacatgtt 360

155 gctggccaat aaggtgccag ctgctgcccg tgctgggtgc attgccccat gtgaagtcac 420

157 tgtgccagcc cagaacactg gtctcggggc cgagaagacc tcctttttcc aggcttttagg 480

See item
#9 on
error
Summary
Sheet

pls explain "N" locations.

RAW SEQUENCE LISTING

DATE: 05/27/2005

PATENT APPLICATION: US/10/535,414

TIME: 11:25:05

Input Set : A:\Q87920.ST25.txt

Output Set: N:\CRF4\05272005\J535414.raw

159 tatcaccact aaaatctcca ggggcacccat tgaaatcctg agtgatgtgc actgatcaag 540
 161 actgg 545
 164 <210> SEQ ID NO: 6
 165 <211> LENGTH: 591
 166 <212> TYPE: DNA
 167 <213> ORGANISM: Homo sapiens
 169 <220> FEATURE:
 170 <221> NAME/KEY: misc feature
 171 <222> LOCATION: ()..()
 172 <223> OTHER INFORMATION: sequence 299
 175 <400> SEQUENCE: 6
 176 cagcgcaggg gcttctgctg agggggcagg cagagcttga ggaaaccgca gataagtttt 60
 W--> 178 tttctctttg aaagatagag attgacaa ctacttaaaa aatatagtca atagggttact 120
 180 aagatattgc ttagcggttaa gtttttaacg taattttaat agcttaagat ttttaagagaa 180
 182 aatatgaaga cttagaagag tagcatgagg aaggaaaaga taaaagggtt ctaaaacatg 240
 184 acggaggttg agatgaagct tcttcatgga gtaaaaaatg tatttaaaag aaaattgaga 300
 186 gaaaggacta cagagccccc aattaatacc aatagaaggg caatgctttt agattaaaat 360
 188 gaaggtgact taaacagctt aaagtttagt ttaaaagtgt taggtgatta aaataatttg 420
 190 aaggcgatct tttaaaaaga gattaaaccg aagggtgatta aaagaccttg aaatccatga 480
 192 cgcaggaga attgcgcatt taaagcctag ttacgcattt actaaacgca gacgaaaatg 540
 194 ggaagattaa ttgggagtg taggatgaaa caatttttga gaagatagaa g 591
 197 <210> SEQ ID NO: 7
 198 <211> LENGTH: 297
 199 <212> TYPE: DNA
 200 <213> ORGANISM: Homo sapiens
 202 <220> FEATURE:
 203 <221> NAME/KEY: misc feature
 204 <222> LOCATION: ()..()
 205 <223> OTHER INFORMATION: sequence 300
 208 <400> SEQUENCE: 7
 209 ctcaaaggag aaaaaaaacc ttgtaaaaaa agcaaaaatg acaacagaaa aacaatctta 60
 211 ttccgagcat tccagtaact tttttgtgta tgtacttagc tgtactataa gtagttggtt 120
 213 ttgatgagat ggttaaaaag gccaaagata aaaggtttct ttttttttcc tttttgtct 180
 215 atgaagttgc tgtttatttt ttttggcctg tttgatgtat gtgtgaaaca atgttggtcca 240
 217 acaataaaca ggaattttat tttgctgagt tgttctaaaa aaaaaaaaaa aaaaaaa 297
 220 <210> SEQ ID NO: 8
 221 <211> LENGTH: 282
 222 <212> TYPE: DNA
 223 <213> ORGANISM: Homo sapiens
 225 <220> FEATURE:
 226 <221> NAME/KEY: misc feature
 227 <222> LOCATION: ()..()
 228 <223> OTHER INFORMATION: sequence 302
 231 <400> SEQUENCE: 8
 232 agtagagacg gggtttcact gtgttagcca ggatgggtctc gatctcctga cctcgtgatc 60
 234 cggccacctc ggcctcccga aagtgtctgg attacaggcg tgagccacgg cgcccagccc 120
 236 cagcctgtca cttaaaactga taaacgacag attaacagta gaaaaatttt attttgcata 180
 238 cataatgagg cttcacaaaa gagaagtga aacccaagta ggagtttagg gctgggggct 240
 240 tatataccat ttaacaaggg gtgataaatt gtaagagaat ag 282

pls explain
 "N" locations.

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/535,414

DATE: 05/27/2005

TIME: 11:25:05

Input Set : A:\Q87920.ST25.txt

Output Set: N:\CRF4\05272005\J535414.raw

243 <210> SEQ ID NO: 9
 244 <211> LENGTH: 619
 245 <212> TYPE: DNA
 246 <213> ORGANISM: Homo sapiens
 248 <220> FEATURE:
 249 <221> NAME/KEY: misc feature
 250 <222> LOCATION: (K..T)
 251 <223> OTHER INFORMATION: sequence 304
 254 <400> SEQUENCE: 9

255	tccttggttt	cgatttgtgg	caacaatcca	gtctttttgt	ttttttcagg	gataccatat	60
257	gtaacagggtg	ccattgttac	tgtaaacttt	cacacatgcc	ttcagtttga	tgtcaaagtc	120
259	atcatttagt	gtaaacagca	agttatctgt	taggctgcac	atcatgaact	ttacttttag	180
261	aaagtcttat	cttttatgcc	acagaaatag	catttggcta	ttagtcatgg	atggcaaaga	240
263	aattaatttt	gagttgtttg	gataaaaatg	tttcagttga	ctgtagtgtg	tattgagaga	300
265	cactgccagt	aaacaaaactc	tcttggtagg	tggaaatccc	ctagaagtta	cagaaaattg	360
267	ggaggagggtg	aacttaatta	aataacttga	attgtttaga	catattcaga	gcttcttatg	420
269	accttgaaga	aatcacccaa	cttcaaaaga	cctcggtttc	ttcatttga	aaattaggga	480
271	gtttgactag	atgtgtaaat	ctagttgtta	gttaacttct	aagatgtaaa	aaccctcttg	540
273	tttaacaaaa	acctacaaga	tcaagttgct	tatctgaaat	ctttatgaat	caacactagt	600
275	cactaagtct	agctcgacc					619

278 <210> SEQ ID NO: 10
 279 <211> LENGTH: 536
 280 <212> TYPE: DNA
 281 <213> ORGANISM: Homo sapiens
 283 <220> FEATURE:
 284 <221> NAME/KEY: misc feature
 285 <222> LOCATION: (T..T)
 286 <223> OTHER INFORMATION: sequence 306
 289 <400> SEQUENCE: 10

290	cttttctctc	cgctgtcccc	cacggagggg	actgctctcc	cccgtgcat	cctttctgtg	60
292	aggtacctta	cccacctcag	cacctgagag	ggtgaaatag	aattctaacc	tcgacattcg	120
294	ggaagtgttt	ttgagaagtc	tcggtcggta	agggagtcct	tccaagtcctg	tgacagacta	180
296	acgtattggc	acctgcctcc	tcttcggcca	ccccccagat	gaggcagctg	tgactgtgtc	240
298	aagggaagcc	acgactctga	ccatagctctt	ctctcagctt	ccactgccgt	ctccacagga	300
300	aaccacagaag	ttctgtgaac	aagtccatgc	tgccatcaag	gcatttattg	cagtgtacta	360
302	tttgcttcca	aaggatcagg	ccctgagaac	aatgacctta	tttctacaa	cagtgtctgg	420
304	gttgctgtcc	agcagatgcc	tcagatacca	agagataaca	aagctgcagc	tcttttgatg	480
W--> 306	ctgaccaaga	atgtggattt	tgtgaaggat	gacatgaan	aaatggagaa	gctgtg	536

309 <210> SEQ ID NO: 11
 310 <211> LENGTH: 373
 311 <212> TYPE: DNA
 312 <213> ORGANISM: Homo sapiens
 314 <220> FEATURE:
 315 <221> NAME/KEY: misc feature
 316 <222> LOCATION: (T..T)
 317 <223> OTHER INFORMATION: sequence 308
 320 <400> SEQUENCE: 11

W--> 321 aagtgggtct tgccatccct gaactgaaat catccctaac atattcatac ctgttttcat 60
 323 tttaaaagtt gggtcagttt ttttattagt acatgtattt ctatctact gatttatttg 120

← pls explain "N"
locations.

RAW SEQUENCE LISTING

DATE: 05/27/2005

PATENT APPLICATION: US/10/535,414

TIME: 11:25:05

Input Set : A:\Q87920.ST25.txt

Output Set: N:\CRF4\05272005\J535414.raw

325 ctatatcatc taatttagtt tgaattattcc ataatttact taatttagtcc tgtatggaga 180
 327 cctagctctt ctcagtgtct actattataa acaatgctac agtgaatatt ggtatataaa 240
 329 tccatacaca ccacgtacat atcttaagtt ctggaagaga tattgctaaa ccagaagata 300
 331 acctgcattt aaaatttgac tgctaggcag agggacacat ttaattaaat tagaacaang 360
 333 aatgcataat ggc 373

336 <210> SEQ ID NO: 12

337 <211> LENGTH: 796

338 <212> TYPE: DNA

339 <213> ORGANISM: Homo sapiens

341 <220> FEATURE:

342 <221> NAME/KEY: misc feature

343 <222> LOCATION: () . . () ?

344 <223> OTHER INFORMATION: sequence 309

347 <400> SEQUENCE: 12

348 ccggaatcgc ggccgcgtcg acgaaaatat gtgccctggc caactccaca ggactagtcc 60
 350 taggcaatct gaaggaaacc agaaaatgtg aattttctct cctcaaaaaa gctatactga 120
 352 agtagtattt aatattcaag tacttgtaaa tttgcagaac agtacttttt aatttgaccc 180
 354 atgaattcta tttaaatttg tcaacttaata tttagccaag aagcaaacca tctaaaaaga 240
 356 tttctggttt atttctccaa ctctaataa atagggtcac atatttttta acttttttct 300
 358 aatttgaaaa gtaatacagg catatggtat tttaaaaatg aaacaacaca aagggatattg 360
 360 ttttgaaaaa tgggtcttgcc atccctgaac tgtaatcatc cctaacatat tcatacctgt 420
 362 tttcatttta aaagttgggt cagttttttt attagtacat gtattttctat cctactgatt 480
 364 tatttgctat atcatctaata ttagtttgaa tattccataa tttacttaat tagtcctgta 540
 366 tggagaccta gctcttctca gtgtctacta ttataaacia tgctacagtg aatattggtg 600
 W--> 368 taaaaatcct acacaccacg taacatatct taagttcctg gaagagatat tgctaaacca 660
 370 gaagataacc tgcattttaa atttgactgc tagggtcagg gtcacattta aattaaatta 720
 372 gaacaaggaa tgcataatgt cttcgatagc aatctattca aggtgcaccg tggtcacaaa 780
 374 ggaaagcaaa actgtc 796

377 <210> SEQ ID NO: 13

378 <211> LENGTH: 564

379 <212> TYPE: DNA

380 <213> ORGANISM: Homo sapiens

382 <220> FEATURE:

383 <221> NAME/KEY: misc feature ?

384 <222> LOCATION: () . . ()

385 <223> OTHER INFORMATION: sequence 310

388 <400> SEQUENCE: 13

W--> 389 cctggacaga ggccctctatc ctgtatgat aattgccatc aaaattgtca aaaangattt 60
 391 aattttctatg ggaatagtc cttttcttag cttctgcann tcacttgctt attttttgtg 120
 393 tgggaatggg gttggataaa ccaatgaact ttattataaa caaatccac ctatatctan 180
 395 caaatttata ttttcggtga aatacagata tttgcctttc tggagatna tagaagctgt 240
 397 caatatgtat ctactgtaca gtactaaata gtattcattt atgaaatgag tagtgtttgg 300
 399 gtggctgggg ttaaggaaaa atgagacttg gaattgtagc ttttatccaa gttttgagta 360
 401 taaatagggg tttgttttgt tttttttaac ctaaaaactg aaatgccata tagaaaaaca 420
 403 gcattgtttt tacagtttgt agtaagtaac tttttaaaga ttttatcaaa aagaattttg 480
 405 tctatnrtga gtaaaaagaag ttctaataat ggcctaatac ctgcattttt aaaaaacaaa 540
 407 gttcaacaca aatgacattt gttt 564
 410 <210> SEQ ID NO: 14
 411 <211> LENGTH: 230

The type of errors shown exist throughout
 the Sequence Listing. Please check subsequent
 sequences for similar errors.

Same error

RAW SEQUENCE LISTING ERROR SUMMARY

DATE: 05/27/2005

PATENT APPLICATION: US/10/535,414

TIME: 11:25:06

Input Set : A:\Q87920.ST25.txt

Output Set: N:\CRF4\05272005\J535414.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; N Pos. 61,464
Seq#:4; N Pos. 64,65
Seq#:6; N Pos. 85,485
Seq#:10; N Pos. 517,520,525
Seq#:11; N Pos. 27,235,248,329,335,359,372
Seq#:12; N Pos. 601
Seq#:13; N Pos. 6,26,55,73,99,100,180,228,486
Seq#:15; N Pos. 149,177,463
Seq#:20; N Pos. 557
Seq#:22; N Pos. 199
Seq#:24; N Pos. 149,177,463
Seq#:25; N Pos. 388,506,672
Seq#:26; N Pos. 524
Seq#:28; N Pos. 213,306
Seq#:31; N Pos. 448,617,663,677,706,710
Seq#:32; N Pos. 53,89
Seq#:34; N Pos. 5,8,21,25,65,79,80,103,143,481
Seq#:35; N Pos. 6
Seq#:36; N Pos. 525
Seq#:42; N Pos. 119,121,157,205,214,216,229,252,327,329,354,361
Seq#:45; N Pos. 304
Seq#:47; N Pos. 7
Seq#:55; N Pos. 462
Seq#:57; N Pos. 571
Seq#:63; N Pos. 441
Seq#:65; N Pos. 270,280,310,359
Seq#:66; N Pos. 195,201
Seq#:67; N Pos. 606
Seq#:68; N Pos. 92,642
Seq#:69; N Pos. 44
Seq#:70; N Pos. 684,707,709,713,723,734,746,748
Seq#:71; N Pos. 8
Seq#:73; N Pos. 280,342,500
Seq#:74; N Pos. 552
Seq#:76; N Pos. 461,483,497
Seq#:77; N Pos. 567,575
Seq#:84; N Pos. 223,280,297,302,337
Seq#:85; N Pos. 9,29,49,94,105,152,169
Seq#:88; N Pos. 529,542,559
Seq#:93; N Pos. 70,75,88,102,114,127,129
Seq#:95; N Pos. 650,685
Seq#:96; N Pos. 204,255
Seq#:97; N Pos. 248,519
Seq#:98; N Pos. 425

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/535,414

DATE: 05/27/2005
TIME: 11:25:06

Input Set : A:\Q87920.ST25.txt
Output Set: N:\CRF4\05272005\J535414.raw

Seq#:99; N Pos. 552
Seq#:101; N Pos. 565,581
Seq#:102; N Pos. 86,168,230,241,257,337,339
Seq#:103; N Pos. 20,22,47,546,562,611,645
Seq#:107; N Pos. 708
Seq#:109; N Pos. 600
Seq#:110; N Pos. 616,635

VERIFICATION SUMMARY

DATE: 05/27/2005

PATENT APPLICATION: US/10/535,414

TIME: 11:25:06

Input Set : A:\Q87920.ST25.txt

Output Set: N:\CRF4\05272005\J535414.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application Number
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:60 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:60
M:341 Repeated in SeqNo=2
L:122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:60
L:178 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:60
M:341 Repeated in SeqNo=6
L:306 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:480
L:321 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
M:341 Repeated in SeqNo=11
L:368 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:600
L:389 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
M:341 Repeated in SeqNo=13
L:447 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:120
M:341 Repeated in SeqNo=15
L:610 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:540
L:672 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:180
L:742 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:120
M:341 Repeated in SeqNo=24
L:783 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:360
M:341 Repeated in SeqNo=25
L:824 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:480
L:876 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:180
M:341 Repeated in SeqNo=28
L:991 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:420
M:341 Repeated in SeqNo=31
L:1016 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0
M:341 Repeated in SeqNo=32
L:1078 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:0
M:341 Repeated in SeqNo=34
L:1113 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:0
L:1164 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:480
L:1296 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:60
M:341 Repeated in SeqNo=42
L:1393 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:300
L:1439 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:0
L:1709 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:420
L:1777 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57 after pos.:540
L:1969 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63 after pos.:420
L:2027 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65 after pos.:240
M:341 Repeated in SeqNo=65
L:2052 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:180
L:2087 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:67 after pos.:600
L:2104 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:68 after pos.:60
M:341 Repeated in SeqNo=68
L:2137 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69 after pos.:0
L:2194 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70 after pos.:660
M:341 Repeated in SeqNo=70

VERIFICATION SUMMARY

PATENT APPLICATION: **US/10/535,414**

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Input Set : **A:\Q87920.ST25.txt**

Output Set: **N:\CRF4\05272005\J535414.raw**

L:2211 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:71 after pos.:0
L:2265 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 after pos.:240
M:341 Repeated in SeqNo=73
L:2306 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74 after pos.:540